

~~Patent Claims~~

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an advanced calculation device (2) by means of which the responses of the synchronous system to possible asynchronous events can be calculated in advance, and by a switching device (3) by means of which the output signal from the advanced calculation device or the output signal from the synchronous system can be passed on selectively.

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the switching device (3) has at least two input connections (E1, E2), one of which is connected to the output connection of the synchronous system (1), and at least one of which is connected to the output connection of the advanced calculation device (2).

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characterized in that

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the switching device (3) has a control connection (C), via which it is possible to define which of the input signals is intended to be passed on.

characterized in that

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this apparatus is designed to output the output signal from the advanced calculation device (2) in response to the occurrence of an asynchronous event.

characterized in that

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this apparatus is designed to output the output signal from the synchronous system (1) as soon as this signal represents the response to the event which was responded to by outputting the

